

Supplement 2-1
Secondary Containment Capacities

Area L

CSU	Structure	Length (Feet)	Width (Feet)	Depth (Feet)	Secondary Containment Surface Area (Square Feet)		Secondary Containment Capacity (Gallons)	Structure Maximum Storage Capacity (Gallons)
Aboveground CSU Within the Fence	TA-54-58	30.5	25	0.5	762		2,852	15,840
	TA-54-36	30 -8	30 -20	0.83 0.83	900 -160	740	4,595	13,200
	TA-54-35	29.5	24.5	0.66	723		3,568	15,840
	TA-54-68	22	8.1	0.56	178		750	1,760
	TA-54-69	22	8.1	0.56	178		750	1,760
	TA-54-70	22	8.1	0.56	178		750	1,760
	TA-54-32: Cells 1 & 6	26.5	13.5	1	358		2,676	17,160
	TA-54-32: Cells 3 & 5	16.83	13.5	1	227		1,700	
	TA-54-32: Cells 2 & 4	13.5	11.17	1	151		1,128	
	TA-54-39: Room 101	39	22.5	0.5	878		3,282	9,900
	TA-54-39: Containment Pad- Western Section	59.5	16	1	952		7,121	15,180
	TA-54-31: Sump 1	4	6	0.42	24		75	1,320
	TA-54-31: Sump 2	4	6	0.42	24		75	
	TA-54-31: Sump 3	6	7	0.42	42		132	
	CSU Total:				5,415		29,454	

Supplement 2-1 (continued)
Secondary Containment Capacities

Area G

CSU	Structure	Length (Feet)	Width (Feet)	Depth (Feet)	Secondary Containment Surface Area (Square Feet)	Secondary Containment Capacity (Gallons)	Structure Maximum Storage Capacity (Gallons)
Storage Domes 229, 230, 231, and 232 and pad	TA-54-230 (Sump)	See Note 1 for Calculation Details		1.75	1,388	18,170	330,000
	TA-54-230 (Curbed Area)	See Note 2 for Calculation Details		0.25	16,088	30,088	
	CSU Total:				17,476	48,258	
Storage Domes 49 and 224; Storage Sheds 144, 145, 146, 177, 1027, 1028, 1030, and 1041; and Pads 5, 8, & 7	TA-54-224	See Note 3 for Calculation Details		0.46	5,566	19,153	95,040
	TA-54-144	6	5	0.535	30	120	330
	TA-54-145	6	5	0.535	30	120	330
	TA-54-146	6	5	0.535	30	120	330
	TA-54-177	6	5	0.535	30	120	330
	TA-54-1027	22	8.1	0.56	178	750	1,760
	TA-54-1028	22	8.1	0.56	178	750	1,760
	TA-54-1030	22	8.1	0.56	178	750	1,760
	TA-54-1041	22	8.1	0.56	178	750	1,760
	CSU Total:				6,398	22,633	

Notes:

- Surface area for sump estimated by enlarging sump semicircle to 36 feet for the radius in all directions, which puts the center of the circle 9 feet west of the sump. The area of the circle was divided by two (for the semicircle) and then the additional 9 foot by 72 foot area (previously added to make the semicircle) was subtracted. Sump surface area: $\pi (r)^2$ with radius of 36 feet. Calculation is $\pi(36)^2/2 - (9 \times 72) = 1,388$ square feet.
- Surface area for curbed area estimated with following calculation: $\pi (r)^2$ with radius of 41 feet divided by two (for the semicircle) and then adding the 82-foot by 164-foot area. Calculation is $\pi(41)^2/2 + (82 \times 164) = 16,088$ square feet.
- Surface area estimated with the following calculation: $\pi (r)^2$ with radius of 28.58 feet and then adding the 50-foot by 60-foot area. Calculation is $\pi (28.58)^2 + (50 \times 60) = 5,566$ square feet.